

CORONA 101/102

MULTI-JET METER | WET RUNNER



APPLICATION

Domestic water meter

FEATURES

- Extremely low pressure loss and considerably extended measuring range
- Records very small amounts of water consumption
- Maximum long-term accuracy and absolutely corrosion-resistant
- Measuring data better than specified by calibration regulations
- Strainer insert in inlet connection for cleaning without damaging the seal
- Capable of withstanding any load for a short time
- Forward and return metering
- Fine adjustment by regulating plug

GENERAL

Meter for horizontal pipes 101

Medium temperature range	°C	1 ... 30
Temperature safety	°C	1 ... 50
Ambient operating temperature	°C	1 ... 55
Ambient storage temperature	°C	1 ... 55
Nominal pressure	PN bar	16
Display range		0.05 l ... 999,999 m ³
Protection class		IP 68

TECHNICAL DATA

Nominal diameter	DN	mm	20 ¹	25 ²	40 ²
Permanent flow rate	Q ₃	m ³ /h	4	10	16
Overload flow rate	Q ₄	m ³ /h	5	12.5	20
Transitional flow rate	Q ₂	l/h	40	160	256
Minimum flow rate	Q ₁	l/h	25	100	160
Starting flow rate		l/h	4-6	6-8	20-25
Pressure loss at Q ₃		bar	0.6	0.6	0.6

¹ at dynamic range R 160² at dynamic range R 100

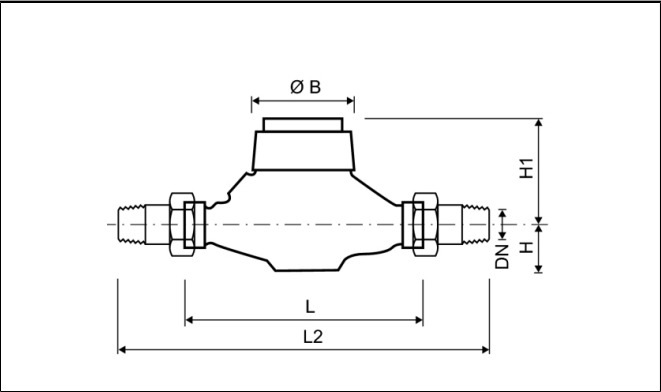
APPROVAL

Nominal diameter	DN	mm	20 ¹	25 ²	40 ²
Permanent flow rate	Q ₃	m ³ /h	4	10	16
MID			TH 8540	CH-MI001-11047	CH-MI001-11047
Dynamic range horizontal installation (Q ₃ /Q ₁)	R		40 / 80 / 160	50 / 80 / 100	50 / 80 / 100

REACH

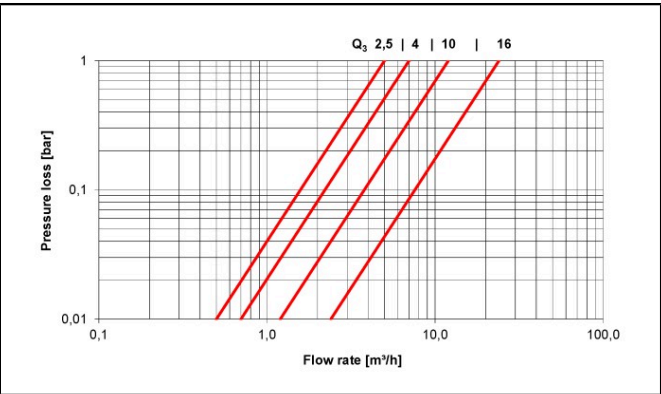
Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:
This product series contains components with the following substances in a concentration of more than 0.1% weight by weight (w/w):
- Lead (CAS no.: 7439-92-1)

DIMENSIONS

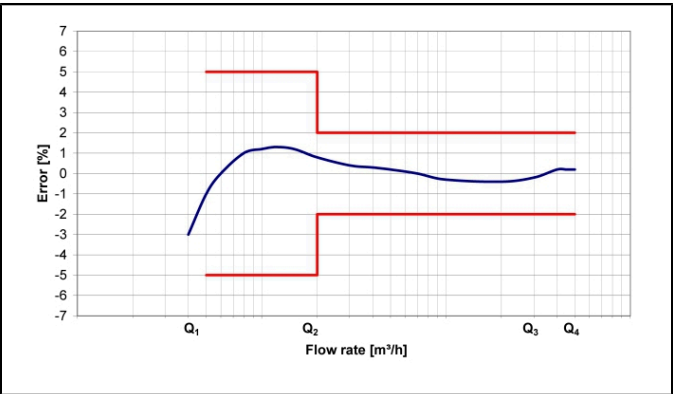


Nominal diameter	DN	mm	20 ¹	25 ²	40 ²
Permanent flow rate	Q ₃	m ³ /h	4	10	16
Overall length (DIN ISO 4064)	L	mm	190	260	300
Overall length with coupling	L2	mm	288	378	438
Connection thread on meter (ISO 228/1)		Inch	G1B	G1¼B	G2B
Connection thread of coupling (DIN 2999)		Inch	R¾	R1	R1½
Height	H	mm	41	44	46
Height	H1	mm	79	86	104
Diameter	Ø B	mm	98	104	137
Weight without coupling		kg	1.8	2.8	5.4

PRESSURE LOSS GRAPH / TYPICAL ERROR GRAPH



Pressure loss graph



Typical error graph

GENERAL

Meter for rising pipes 102			
Medium temperature range	°C	1 ... 30	
Temperature safety	°C	1 ... 50	
Ambient operating temperature	°C	1 ... 55	
Ambient storage temperature	°C	1 ... 55	
Nominal pressure	PN	bar	16
Display range	0.05 l ... 999,999 m ³		
Protection class	IP 68		

TECHNICAL DATA

Nominal diameter	DN	mm	20	25	40
Permanent flow rate	Q ₃	m ³ /h	4	10	16
Overload flow rate	Q ₄	m ³ /h	5	12.5	20
Transitional flow rate	Q ₂	l/h	40	160	256
Minimum flow rate	Q ₁	l/h	25	100	160
Starting flow rate		l/h	4-6	6-8	20-25
Pressure loss at Q ₃		bar	0.6	0.6	0.6

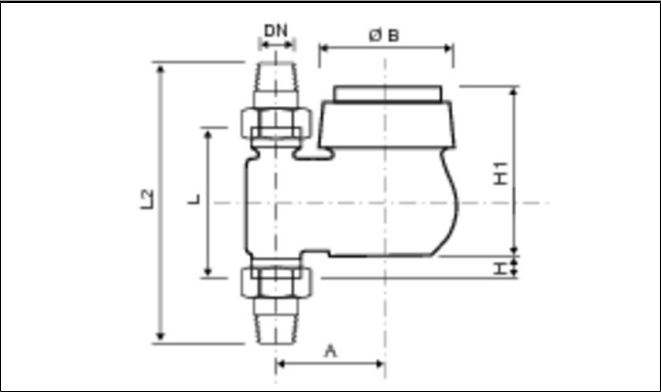
APPROVAL

Nominal diameter	DN	mm	20	25	40
Permanent flow rate	Q ₃	m ³ /h	4	10	16
MID			TH 8540	CH-MI001-11047	CH-MI001-11047
Dynamic range horizontal installation (Q ₃ /Q ₁)	R		40 / 80 / 160	80	80

REACH

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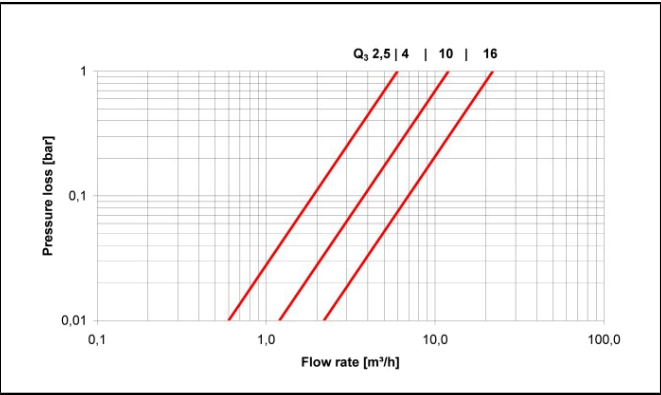
DIMENSIONS



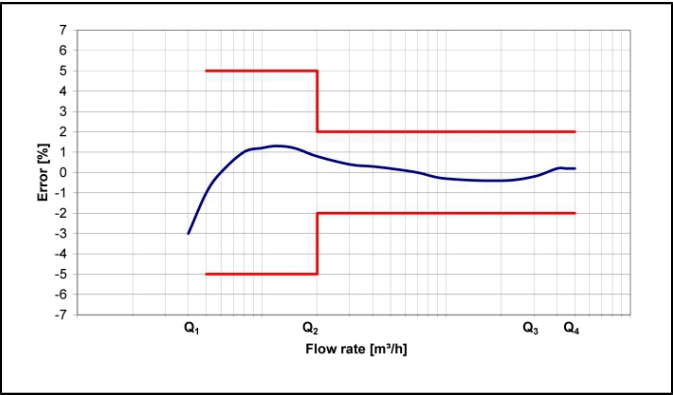
Nominal diameter	DN	mm	20	25	40
Permanent flow rate	Q ₃	m ³ /h	4	10	16
Overall length (DIN ISO 4064)	L	mm	105	150 (135)*	200 (150)*
Overall length with coupling	L2	mm	203	268 (253)	338 (288)
Connection thread on meter (ISO 228/1)		Inch	G1B	G1¼B	G2B
Connection thread of coupling (DIN 2999)		Inch	R¾	R1	R1½
Height	H	mm	18	31	21
Height	H1	mm	118	130	147
Diameter	Ø B	mm	98	101	136
Width	A	mm	82	95	120
Weight without coupling		kg	1.9	3.2	6.3

* Special overall length on request

PRESSURE LOSS GRAPH / TYPICAL ERROR GRAPH



Pressure loss graph



Typical error graph

Economic Actor Information

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

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